

Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	Standard: 1.OA.1 - Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem. (See Glossary, Table 1.)
<u>Operations and Algebraic Thinking</u> Represent and solve problems involving addition and subtraction.	<p><u>Questions to Focus Learning</u></p> <p>What models, strategies, and tools can be used to solve word problems involving different situations? There are problem situations of adding to, taking from, putting together, taking apart, and comparing with the unknown in all positions. (See glossary, Table 1, page 88).</p> <p><u>Student Friendly Objectives</u></p> <p><i>Knowledge Targets</i></p> <p>I know that an unknown in addition or subtraction can be in any part of the problem. I know an unknown number in any position can be represented by a symbol in an equation. I know the addition symbol (+) represents joining situations. I know the subtraction symbol (–) represents separating situations. I know the equal sign (=) represents a relationship regarding quantity between one side of the equation and the other.</p> <p><i>Reasoning Targets</i></p> <p>I can use an appropriate strategy to solve addition and subtraction word problems. I can read and use equations, drawings, or objects to represent word problem.</p> <p><i>Product Targets</i></p> <p>I can record the equation that represents the addition/subtraction problem using a symbol for the unknown in any part of the problem. I can solve addition/subtraction problems using objects and drawings involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions.</p>

Vocabulary

addition
compare
difference
equations
part
subtract
subtraction
sum
total
whole

Teacher Tips

Provided with permission from the Public Schools of North Carolina (May 2012)

<http://www.dpi.state.nc.us/acre/standards/common-core-tools/#unmath>

First grade students extend their experiences in Kindergarten by working with numbers to 20 to solve a new type of problem situation: Compare. In a Compare situation, two amounts are compared to find “How many more” or “How many less”. In order to solve compare problem types, First Graders must think about a quantity that is not physically present and must conceptualize that amount. In addition, the language of “how many more” often becomes lost or not heard with the language of ‘who has more’. With rich experiences that encourage students to match problems with objects and drawings can help students master these challenges.

In order for students to read and use equations to represent their thinking, they need extensive experiences with addition and subtraction situations in order to connect the experiences with symbols (+, -, =) and equations ($5 = 3 + 2$).

Vertical Progression

2.OA.1 - Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. (See Glossary, Table 1.)

The above information and more can be accessed for free on the [Wiki-Teacher](#) website.

Direct link for this standard: [1.OA.1](#)